This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented): A cationic dye of formula I

$$CAT^{+}Y^{-}$$
 (I),

wherein

CAT⁺ is a cation selected from azine, xanthene, polymethine, styryl, azo, tetrazolium, pyrylium, benzopyrylium, thiopyrylium, benzothiopyrylium, thiazine, oxazine, triarylmethane, diarylmethane, acridine, quinoline, isoquinoline, and quaternized azafluorenone dyes,

Y is an anion selected from CAB, FAP, FAB, and Im,

CAB conforms to formula (II-1)

$$[B(CN)_{v1}F_{4-v1-x1}(R^0)_{x1}]^{-}$$
 (II-1),

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3,

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]^{T}$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]^{T}$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is 1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_qF_{2q+1-k}H_kXO_{y4})]^{T}$$
 (II-4),

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0,

k is 0 if q is 0, and

the carbon atoms of the alkyl chain of the formula II-4 may be bonded to one another by single bonds, where the resultant alkylene chain may in turn be partially or fully substituted by F;

with the provisos that:

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$, and

- 3,3'-diethoxyethyl-2,2'-thiadicarbocyanine trifluoromethyltrifluoroborate is excluded.
- 2. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of an azine dye.
- 3. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a xanthene dye.
- 4. (Previously Presented): A dye according to Claim 1, wherein CAT⁺ is a cation of a polymethine dye.
- 5. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a styryl dye.
- 6. (Withdrawn): A dye Dyes according to Claim 1, wherein CAT⁺ is a cation of an azo dye.

- 7. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a tetrazolium dye.
- 8. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a pyrylium dye.
- 9. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a benzopyrylium dye.
- 10. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a thiopyrylium dye.
- 11. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a benzothiopyrylium dye.
- 12. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a thiazine dye.
- 13. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of an oxazine dye.
- 14. (Withdrawn): A dye Dyes according to Claim 1, wherein CAT⁺ is a cation of a triarylmethane dye.
- 15. (Withdrawn; Currently Amended): A dye according to Claim 1, wherein <u>CAT</u>⁺ is a cation of a diarylmethane dye.
- 16. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of an acridine dye.

- 17. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a quinoline dye.
- 18. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of an isoquinoline dye.
- 19. (Withdrawn): A dye according to Claim 1, wherein CAT⁺ is a cation of a quaternary azafluorenone dye.
- 20. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of a cyanine dye.
- 21. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of a carbocyanine dye.
- 22. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of an azacarbocyanine dye.
- 23. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of a diazacarbocyanine dye.
- 24. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of a triazacarbocyanine dye.
- 25. (Previously Presented): A dye according to Claim 4, wherein CAT⁺ is a cation of a hemicyanine dye.
- 26. (Previously Presented): A dye according to Claim 4, wherein at CAT⁺ is a cation of a diazahemicyanine dye.
 - 27. (Withdrawn): A dye according to claim 1, wherein Y is a cyanoborate of

formula II-1

$$[B(CN)_{v1}F_{4-v1-x1}(R^0)_{x1}]^{-}$$
 (II-1),

wherein

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3 and

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2.

28. (Previously Presented): A dye according to claim 1, wherein Y is a fluoroalkylphosphate of the formula II-2

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]^{T}$$
 (II-2),

wherein

p2 is 1 to 20,

m2 is 0, 1, 2 or 3 and

y2 is 1, 2, 3 or 4.

29. (Withdrawn): A dye according to claim 1, wherein Y is a fluoroalkylborate of formula II-3

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{v3}F_{4-v3}]^{T}$$
 (II-3),

wherein

p3 is 1 to 20,

m3 is 0, 1, 2 or 3 and

y3 is 1, 2, 3 or 4.

30. (Withdrawn): A dye according to claim 1, wherein \mathbf{Y}^{-} is an imide of the formula II-4

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{-}$$
 (II-4)

wherein

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

with the proviso that

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$.

31. (Withdrawn): A process for the preparation of a cationic dye according to claim 1, said process comprising:

reacting a compound of formula XXI

wherein A is Cl , Br , Γ, BF₄ , PF₆ , ClO₄ , sulfate, tosylate, hydrosulfate, triflate, trifluoroacetate, acetate or oxalate,

with a compound of formula XXII

$$E^+Y^-(XXII)$$

wherein Y is CAB, FAP, FAB or Im, and

 E^{+} is a cation selected from cations of the alkali metals, alkaline earth metals or of a metal from group 11 and 12, ammonium, alkylammonium containing C_1 - C_4 -alkyl, phosphonium, alkylphosphonium containing C_1 - C_4 -alkyl, and Θ guanidinium.

32. (Withdrawn): A process for the preparation of carbocyanine dye according to Claim 21, where the carbocyanine dye conforms to formula XXIII

$$\begin{array}{c|c}
 & R^1 & R^1 & R^1 \\
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wherein

n is 0, 1, 2, 3, 4 or 5,

R in each case, independently of one another, is alkyl, alkenyl, cycloalkyl, aryl or heteroaryl,

R¹ in each case, independently of one another, is H, Cl, Br, I, alkyl, partially or fully chlorinated alkyl, alkenyl, cycloalkyl, aryl, heteroaryl, Oalkyl, Oaryl, Salkyl, Saryl, MERCK-3134

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NHalkyl, N(alkyl)₂, C(O)H, C(O)alkyl, C(O)aryl, CN, N=N-aryl, P(aryl)₂, NHC(O)alkyl or NHC(O)aryl and

the ring system, represented by

$$\stackrel{\textstyle \sim}{\underset{\scriptstyle R}{\bigcap}} =$$
 or $\stackrel{\textstyle \sim}{\underset{\scriptstyle R}{\bigcap}} =$

is a nitrogen-containing unsaturated mono-, bi- or tricyclic heterocycle having 5 to 13 ring members, which optionally contains 1, 2 or 3 N and/or 1 or 2 S or O atoms and the heterocyclic radical is optionally mono- or polysubstituted by Z,

Z is hydrogen, alkyl, NO₂, F, Cl, Br, I, OH, COOH, Oalkyl, SCN, SCF₃, COOalkyl, CH₂-COOalkyl, NH₂, NHalkyl or N(alkyl)₂

Y is an anion selected from CAB, FAP, FAB and Im,

CAB conforms to formula (II-1)

$$[B(CN)_{y1}F_{4-y1-x1}(R^0)_{x1}]^-$$
 (II-1)

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3,

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{v2}F_{6-v2}]^{T}$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]^{T}$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is 1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{T}$$
 (II-4),

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0,

k is 0 if q is 0, and

the carbon atoms of the alkyl chain of the formula II-4 may be bonded to one another by single bonds, where the resultant alkylene chain may in turn be partially or fully substituted by F;

with the proviso that

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$, said process comprising utilizing a compound of formula XXIV

$$\begin{array}{c|cccc}
 & R^1 & R^1 \\
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where the ring system, R, R^1 and $Y^{\scriptscriptstyle \text{T}}$ have one of the meanings indicated in the case of formula XXIII, and

n is 0, 1, 2, 3 or 4 and

G is hydrogen, alkyl, alkenyl, aryl, heteroaryl, $N=C(R)_2$, CONHaryl, C(O)aryl or CONHalkyl.

33. (Withdrawn): A compound according to formula XXIV

where

n is 0, 1, 2, 3 or 4,

G is hydrogen, alkyl, alkenyl, aryl, heteroaryl, N=C(R)₂, CONHaryl, C(O)aryl or CONHalkyl,

R is alkyl, alkenyl, cycloalkyl, aryl or heteroaryl,

R¹ is in each case, independently of one another, H, Cl, Br, I, alkyl, partially or fully chlorinated alkyl, alkenyl, cycloalkyl, aryl, heteroaryl, Oalkyl, Oaryl, Salkyl, Saryl, NHalkyl, N(alkyl)₂, C(O)H, C(O)alkyl, C(O)aryl, CN, N=N-aryl, P(aryl)₂, NHC(O)alkyl or NHC(O)aryl, and

the ring system, represented by

is a nitrogen-containing unsaturated mono-, bi- or tricyclic heterocycle having 5 to 13 ring members, optionally containing 1, 2 or 3 N and/or 1 or 2 S or O atoms and in which the heterocyclic radical is optionally mono- or polysubstituted by Z,

Z is hydrogen, alkyl, NO₂, F, Cl, Br, I, OH, COOH, Oalkyl, SCN, SCF₃, COOalkyl, CH₂-COOalkyl, NH₂, NHalkyl or N(alkyl)₂,

Y is an anion selected from CAB, FAP, FAB and Im,

CAB conforms to formula (II-1)

$$[B(CN)_{y1}F_{4-y1-x1}(R^0)_{x1}]^{-}$$
 (II-1),

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3,

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]^{T}$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]^{-}$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_qF_{2q+1-k}H_kXO_{y4})]^{-}$$
 (II-4),

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

where the carbon atoms of the alkyl chain of the formula Π -4 may be bonded to one another by single bonds, and the resultant alkylene chain may in turn be partially or fully substituted by F;

with the provisos that:

if X is sulfur, y4 is 2, and

if X is carbon, y4 is 1 and p4 or $q \ge 1$.

34. (Withdrawn): A process for the preparation of a compound according to Claim 33, said process comprising reacting

a compound of formula XXV

in which

A is Cl, Br, I, BF₄, PF₆, ClO₄, sulfate, tosylate, hydrosulfate, triflate,

trifluoroacetate, acetate or oxalate,

the ring system, represented by

is a nitrogen-containing unsaturated mono-, bi- or tricyclic heterocycle having 5 to 13 ring members, which optionally further contains 1, 2 or 3 N and/or 1 or 2 S or O atoms, and in which the heterocyclic radical is optionally mono- or polysubstituted by Z,

Z is hydrogen, alkyl, NO₂, F, Cl, Br, I, OH, COOH, Oalkyl, SCN, SCF₃, COOalkyl, CH₂-COOalkyl, NH₂, NHalkyl, or N(alkyl)₂,

n is 0, 1, 2, 3 or 4,

R is alkyl, alkenyl, cycloalkyl, aryl or heteroaryl,

R¹ is in each case, independently of one another, H, Cl, Br, I, alkyl, partially or fully chlorinated alkyl, alkenyl, cycloalkyl, aryl, heteroaryl, Oalkyl, Oaryl, Salkyl, Saryl, NHalkyl, N(alkyl)₂, C(O)H, C(O)alkyl, C(O)aryl, CN, N=N-aryl, P(aryl)₂, NHC(O)alkyl, or NHC(O)aryl, and

G is hydrogen, alkyl, alkenyl, aryl, heteroaryl, N=C(R)₂, CONHaryl, C(O)aryl, or CONHalkyl,

with a compound of formula XXVI

$$E^{+}Y^{-}$$
 XXVI,

in which

 E^{+} is a cation of the alkali metals, alkaline earth metals or of a metal from group 11 and 12, ammonium, alkylammonium containing C_1 - C_4 -alkyl, phosphonium, alkylphosphonium containing C_1 - C_4 -alkyl, or guanidinium,

Y is an anion selected from CAB, FAP, FAB and Im,

CAB conforms to formula (II-1)

$$[B(CN)_{v1}F_{4-v1-x1}(R^0)_{x1}]^T$$
 (II-1),

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y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3,

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]^{-}$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is 1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{T}$$
 (II-4),

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

where the carbon atoms of the alkyl chain of the formula II-4 may be bonded to one another by single bonds, and the resultant alkylene chain may in turn be partially or fully substituted by F;

with the provisos that

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$.

35. (Withdrawn): A process for the preparation of a compound according to Claim 33, with the restriction that n in formula XXIV is 0, said process comprising:

reacting a compound of the formula XXVII

in which

G is hydrogen, alkyl, alkenyl, aryl, heteroaryl, N=C(R)₂, CONHaryl, C(O)aryl, or CONHalkyl,

R is alkyl, alkenyl, cycloalkyl, aryl or heteroaryl,

the ring system, represented by

$$- \overbrace{C - N}_{R}$$

is a nitrogen-containing unsaturated mono-, bi- or tricyclic heterocycle having 5 to 13 ring members, which optionally further contains 1, 2 or 3 N and/or 1 or 2 S or O atoms, and in which the heterocyclic radical is optionally mono- or polysubstituted by Z,

Z is hydrogen, alkyl, NO₂, F, Cl, Br, I, OH, COOH, Oalkyl, SCN, SCF₃, COOalkyl, CH₂-COOalkyl, NH₂, NHalkyl, or N(alkyl)₂,

with a compound HY,

where

Y is an anion selected from FAP, FAB and Im,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]^{-}$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]$$
 (II-3)

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Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{T}$$
 (II-4)

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

where the carbon atoms of the alkyl chain of the formula II-4 may be bonded to one another by single bonds, and the resultant alkylene chain may in turn be partially or fully substituted by F;

with the provisos that

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$.

36. (Withdrawn): A process for the preparation of an azo dyes according to Claim 6, wherein said azo dye conforms to formula XXVIII

$$(R' - N = N - R'')^{+} Y^{-} XXVIII$$

where

R' and R'' are each aryl or heteroaryl and one of the two aromatic nuclei is positively charged,

Y is an anion selected from CAB, FAP, FAB and Im,

CAB conforms to formula (II-1)

$$[B(CN)_{y1}F_{4-y1-x1}(R^0)_{x1}]^{-}$$
 (II-1),

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3 and

R⁰ is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with

the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{v3}F_{4-v3}]$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is 1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{T}$$
 (II-4),

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

where the carbon atoms of the alkyl chain of the formula II-4 may be bonded to one another by single bonds, and the resultant alkylene chain may in turn be partially or fully substituted by F,

said process comprising reacting a compound of formula XXIX

$$R'-N_2^+$$
 Y- XXIX

where R' and Y has one of the meaning indicated in the case of formula XXVIII, with an aromatic cyclic or heterocyclic compound R".

37. (Withdrawn): A compound according to formula XXIX

$$R'-N_2^+$$
 Y- XXIX

in which

R' is aryl or heteroaryl,

Y is an anion selected from CAB, FAP, FAB and or Im,

CAB conforms to formula (II-1)

$$[B(CN)_{y1}F_{4-y1-x1}(R^0)_{x1}]^{-}$$
 (II-1),

y1 is 1, 2, 3 or 4,

x1 is 0, 1, 2 or 3,

 R^0 is alkyl, aryl, fluorinated alkyl, fluorinated aryl, cycloalkyl or alkylaryl, with the condition that R^0 may be hydrogen if y1 is >2,

FAP conforms to formula (II-2)

$$[P(C_{p2}F_{2p2+1-m2}H_{m2})_{y2}F_{6-y2}]^{T}$$
 (II-2),

p2 is 1 to 20,

m2 is 0, 1, 2 or 3,

y2 is 1, 2, 3 or 4,

FAB conforms to formula (II-3)

$$[B(C_{p3}F_{2p3+1-m3}H_{m3})_{y3}F_{4-y3}]$$
 (II-3),

p3 is 1 to 20,

m3 is 0, 1, 2 or 3,

y3 is 1, 2, 3 or 4,

Im conforms to formula (II-4)

$$[(C_{p4}F_{2p4+1-m4}H_{m4}XO_{y4}) N (C_{q}F_{2q+1-k}H_{k}XO_{y4})]^{T}$$
 (II-4)

X is carbon or sulfur,

p4 is 0 to 20 and $0 \le m4 \le 2p4+1$,

q is 0 to 20 and $0 \le k \le 2q+1$,

y4 is 1 or 2,

m4 is 0 if p4 is 0, and

k is 0 if q is 0,

where the carbon atoms of the alkyl chain of the formulae II-4 may be bonded to one another by single bonds, and wherein the resultant alkylene chain may in turn be partially or fully substituted by F;

with the provisos that

if X is sulfur, y4 is 2, and if X is carbon, y4 is 1 and p4 or $q \ge 1$.

- 38. (Withdrawn; Currently Amended): In a method of colouring plastics and plastic fibres, preparing for the preparation of flexographic printing inks, ball-point pen pastes, or stamp ink, <u>coloring eolouring</u> leather and paper, preparing cosmetic formulations, or coloring in biochemistry, biology, medicine, analytics or electronics, the improvement wherein a dye according to claim 1 is used for coloring.
- 39. (Withdrawn): In a method of using a dye in data acquisition systems, reprography, in ink microfilters, in photogalvanics, laser technology or the photo industry, the improvement wherein said dye is a dye according to claim 1.
- 40. (Withdrawn): In a method of using a dye for CD recorders, DVD recorders (DVD+R, DVD+RW), Bluray disc (BD-ROM, BD-R, BD-RE), computer to plate, laser filters, laser marking or photopolymerisation, the improvement wherein said dye is a dye according to claim 1.
- 41. (Previously Presented): A dye according to Claim 28, wherein CAT⁺ is a cation of a polymethine dye.
- 42. (Previously Presented): A dye according to Claim 28, wherein p2 is 1, 2, 3, 4, 5, 6, 7 or 8.

- 43. (Previously Presented): A dye according to Claim 28, wherein p2 is 2, 3 or 4.
- 44. (Previously Presented): A dye according to Claim 28, wherein Y^- is $PF_3(C_2F_5)_3$, $PF_3(C_4F_9)_3$, $PF_3(C_3F_7)_3$ or $PF_4(C_2F_5)_2$.